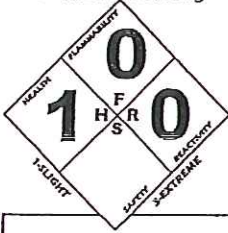


NFPA RATING
0 = none to
4 = hazardous rating



Clean 'n Green Glass Cleaner

CNG-1020-B/C

DATE PREPARED: 01/10/06

DATE REVISED: 11/02/06

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MATERIAL SAFETY DATA SHEET (MSDS)

Per 29 CFR 1910.1200

SECTION I



PEN Products
Indiana Department of Correction
6075 Lakeside Boulevard
Indianapolis, Indiana 46278

Toll Free: (800) PEN-2550

Direct: (317) 388-8580

24-Hour Emergency Number - Chemtrec (800)424-9300

Identity (As listed on label): Clean 'n Green Glass Cleaner

HMIS Hazard Ratings:	
Health:	1
Flammability:	0
Reactivity:	0
PPE:	B

SECTION II - HAZARDS IDENTIFICATION

Emergency overview	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Potential short term health effects	
Eyes	Contact with eyes may cause irritation.
Skin	Health injuries are not known or expected under normal use. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).
Inhalation	Health injuries are not known or expected under normal use. Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion	Health injuries are not known or expected under normal use. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Potential environmental effects	This material is not expected to be harmful to aquatic life.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous component(s)	CAS #	Percent
Propylene glycol monomethyl ether	107-98-2	<2.5

SECTION IV - FIRST AID MEASURES

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.
Skin contact	Wash off with warm water and soap. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion	Give several glasses of water. Do not induce vomiting. If ingestion of a large amount does occur, seek medical attention.
General advice	If you feel unwell, seek medical advice (show the label where possible).

SECTION V - FIRE FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Environmental precautions	Prevent further leakage or spillage if safe to do so.
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Methods for cleaning up. Never return spills in original containers for re-use.
Large Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).

SECTION VII - HANDLING AND STORAGE

Handling Avoid contact with eyes. Handle and open container with care.
Storage Keep this material away from food, drink and animal feed. Keep out of the reach of children. Keep at temperatures between 4° and 49° C

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines
ACGIH - Threshold Limits Values - Short Term Exposure Limits (TLV-STEL)
Propylene glycol monomethyl 107-98-2 150 Pprn STEL
ether
ACGIH - Threshold Limits Values -Time Weighted Averages (TLV-TWA)
Propylene glycol monomethyl 107-98-2 100 Ppm TWA
ether
ACGIH - Threshold Limits Values - TLV Basis - Critical Effects
Propylene glycol monomethyl 107-98-2 CNS impairment; eye irritation
ether

Personal protective equipment
Eye / face protection Avoid contact with eyes. Wear as appropriate: goggles or safety glasses with side-shields
Skin protection Not normally needed. Wear impervious gloves for prolonged contact.
Respiratory protection Under normal conditions, respirator is not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Appearance clear liquid
Color dark blue
Form Liquid.
Odor Clean/fresh fragrance
Odor threshold Not available
pH 7.7
Freezing point 32° F estimated
Boiling point 212° F
Flash point >212° F Pensky-Martens Closed Cup
Flammability limits in air, lower, % by volume Not available
Flammability limits in air, upper,% by volume Not available
Vapor pressure Not available
Vapor density Not available
Specific gravity 1.003
Solubility (H2O) 100%
VOC (Weight %) 5.17%

SECTION X - CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability Stable at normal conditions.
Conditions to avoid Do not freeze.
Incompatible materials Incompatible with strong acids and oxidizing agents.



Hazardous decomposition products Carbon monoxide and carbon dioxide, Sulphur oxides
Possibility of hazardous reactions Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

Acute effects Acute LD50: 91310 mg/kg, Rat, Dermal
Acute LD50: 37421 mg/kg estimated, Rat, Oral

Local effects Irritating to eyes, respiratory system and skin.

Chronic effects Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged or repeated exposure may cause lung injury.

Further information Symptoms may be delayed.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity Components of this product have been identified as having potential environmental concerns. This material is not expected to be harmful to aquatic life.

SECTION XIII - DISPOSAL CONSIDERATIONS

Disposal instructions Dispose in accordance with all applicable regulations. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4(b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

SECTION XIV - TRANSPORT INFORMATION

Department of Transportation (DOT) Requirements
Not regulated as dangerous goods.

Department of Transportation (DOT) Requirements NON-BULK
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

SECTION XV - REGULATORY INFORMATION

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories Immediate Hazard - No
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

International regulations The product does not need to be labelled in accordance with EC directives or respective national laws.

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.



PEN Products
Indiana Department of Correction

PRODUCT NAME: Clean 'n Green Glass Cleaner
PRODUCT NUMBER: CNG-1020-B/C
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SECTION XVI - OTHER INFORMATION

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.